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OM nucleic - nucleic search, using sw model

Run on: June 12, 2003, 00:44:04 ; Search time 691 Seconds
(without alignments)
11190.223 Million cell updates/sec

Title: US-09-515-806A-1

Perfect score: 5525

Sequence: 1 tcgcccacgcgtccgcacc.....aatgcttcatactacgtca 5525

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 870385 seqs, 699768693 residues

Total number of hits satisfying chosen parameters: 1740770

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	5525	100.0	5525	10	US-09-515-806-1
2	4733	85.7	4989	9	US-09-842-758-3
3	2928.8	53.0	2946	9	US-09-836-392-6
4	2144.6	38.8	2200	10	US-09-925-301-184
5	517.4	9.4	519	10	US-09-988-598-753
6	362.8	6.6	419	9	US-09-918-995-24436
7	248.4	4.5	251	9	US-10-060-036-1707
8	198.6	3.6	19616	10	US-09-764-877-3220
9	191	3.5	147309	10	US-09-742-312-3
10	189.2	3.4	1212	9	US-09-892-877-93
11	189.2	3.4	1212	9	US-09-948-783-92
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13	187.6	3.4	81001	9	US-09-842-364-1
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C	24	185.6	3.4	176373	9	US-10-095-407-17	Sequence 17, Appli
C	25	184.8	3.3	25377	9	US-10-061-119-4	Sequence 4, Appli
C	26	183.4	3.3	11172	10	US-09-764-878-231	Sequence 231, App
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ALIGNMENTS

RESULT 1

US-09-515-806-1

; Sequence 1, Application US/09515806

; Patent No. US20020132321A1

; GENERAL INFORMATION:

; APPLICANT: COOK, WILLIAM J.

; APPLICANT: KAPPELLER-LIBERMAN, ROSANA

; TITLE OF INVENTION: 14790, NOVEL PROTEIN KINASE MOLECULE AND USES THEREFOR

; FILE REFERENCE: 38155-20002.00

; CURRENT APPLICATION NUMBER: US/09/515,806

; CURRENT FILING DATE: 2000-02-29

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 5525

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (63)..(4991)

US-09-515-806-1

Query Match 100.0%; Score 5525; DB 10; Length 5525;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 5525; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 TCGCCCCACGCTCCGACCGCGCCGCGGAGCGGCGCCCTTGGCGCGAGCGCTG 60

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Db 61 CCATGCTGGGGCGCTGGGGCGGCGGCGGAGCGCTCCGGAGAGCTACC 120

Qy 121 CGCAACGACGAGCACACGAGCTACAGGCGCTCGAGGCGCATCTACGCGCGGACTTCCAAG 180

Db 121 CGCAACGACGAGCACACGAGCTACAGGCGCTCGAGGCGCATCTACGCGCGGACTTCCAAG 180

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DB 841 GATCAGCTCATGCTGCACAAAGGAAATGATTGGCAGTGTGAACACTTGGAAATTA 900
QY 948 GTCTACAATGCTTTGGAAACAGCCACTGGTGGCTTTGTCTTTGTATGATGGGTCTTT 1007
DB 901 GTCTACAATGCTTTGGAAACAGCCACTGGTGGCTTTGTCTTTGTATGATGGGTCTTT 960
QY 1008 CAGTGGCAGAAAAAATGGTCCATCTCTACAGTCAAGAAAAAGAGAAATGATAAG 1067
DB 961 CAGTGGCAGAAAAAATGGTCCATCTCTTACAGTCAAGAAAAAGAGAAATGATAAG 1020
QY 1068 TGCAAAAAGCAGATTCAAGGAACAGAAACAGAAATTCACACTCACTGGTAAATTCAGGCCAT 1127
DB 1021 TGCAAAAAGCAGATTCAAGGAACAGAAACAGAAATTCACACTCACTGGTAAATTCAGGCCAT 1080
QY 1128 CCAATATGATGATCGCTACCTTTGCAATGAATCTCAAGAGCAGAACGACTCCA-TCGTGGT 1186
DB 1081 CCAATATGATGATCGCTACCTTTGCAATGAAT-TCAGAGCAGAACGACTCCAATTCGTGGT 1139
QY 1187 GGACATTTTGTAGGAGCACAATTAGTGGGTCTCTCTGCTGCACACTGAGCCACTCAGG 1246
DB 1140 GGACATTTTGTAGGAGCACAATTAGTGGGTCTCTCTGCTGCACACTGAGCCACTCAGG 1199
QY 1247 CCCCATCCTGTGCATCAGTCTCGCAGGTACACAGCTCAGCTCCTGTGAGCCCTTGATTA 1306
DB 1200 CCCCATCCTGTGCATCAGTCTCGCAGGTACACAGCTCAGCTCCTGTGAGCCCTTGATTA 1259

QY 1307 TCTGCACAGCAATTTCTGTGTCATGAAGGTCTGAGTGCATCTAATGTCTTGGTGGATCG 1366
DB 1260 TCTGCACAGCAATTTCTGTGTCATGAAGGTCTGAGTGCATCTAATGTCTTGGTGGATCG 1319
QY 1367 AGAAGGCAACGCTCAAGATTACGGAATATAGCAATTTCTAAGCGCCTCGCAGACATTTGCAA 1426
DB 1320 AGAAGGCAACGCTCAAGATTACGGAATATAGCAATTTCTAAGCGCCTCGCAGACATTTGCAA 1379
QY 1427 GGAGGATGTTTGTAGCAAAACCGAGTCTGTTTGTAGCAATGCTCTGCCCTTATAAAAC 1486
DB 1380 GGAGGATGTTTGTAGCAAAACCGAGTCTGTTTGTAGCAATGCTCTGCCCTTATAAAAC 1439
QY 1487 GGGGAAAGAGGAGATGTTTGGCGCTTCTGGCCCTTCTGTGCTGCTCCCTCAGCAAGGACA 1546
DB 1440 GGGGAAAGAGGAGATGTTTGGCGCTTCTGGCCCTTCTGTGCTGCTCCCTCAGCAAGGACA 1499
QY 1547 GGAATGTGAGAGTACCTGTGACCAATCCCTAGTGCATTTACCAGCTGACTTTCAAGATTT 1606
DB 1500 GGAATGTGAGAGTACCTGTGACCAATCCCTAGTGCATTTACCAGCTGACTTTCAAGATTT 1559
QY 1607 TCTAAAAGAA--ATGTGTGTGCTTGGATGACAAAGAAAGATGAGTCCCCACAGTGT 1663
DB 1560 TCTAAAAGAAAGATGTTGTGCTTGGATGACAAAGAAAGATGAGTCCCCACAGTGT 1619
QY 1664 GAAACACAGCTTTATAAATCCCCAGCCAAAATGCTCTTAGTGGAAACAAAGTCTTGAAGA 1723
DB 1620 GAAACACAGCTTTATAAATCCCCAGCCAAAATGCTCTTAGTGGAAACAAAGTCTTGA-- 1677
QY 1724 TTCTGAGACAAAGATTTATGAGACTGTTATTTCTAGCAACCGGCTACCAGTGTCTGC 1783
DB 1678 -TCTGAAGACAAAGATTTATGAGACTGTTATTTCTAGCAACCGGCTACCAGTGTCTGC 1736
QY 1784 CTTCTTTTGTAGTACACAGAGACAGTTTCCCGATCTTCTTAGTGTGAAAGAAATTA 1843
DB 1737 CTTCTTTTGTAGTACACAGAGACAGTTTCCCGATCTTCTTAGTGTGAAAGAAATTA 1796
QY 1844 ACTTCTGTAAAGGAGCTTTTGGAGCTGTATCAAGTGTGCAAAACAAAGTGTGGACGGCTG 1903
DB 1797 ACTTCTGTAAAGGAGCTTTTGGAGCTGTATCAAGTGTGCAAAACAAAGTGTGGACGGCTG 1856
QY 1904 CTGCTACGAGTGAAGCGCATCCCATCAACCGGCGAGCCGGCAGTTCGGCAGGATCAA 1963
DB 1857 CTGCTACGAGTGAAGCGCATCCCATCAACCGGCGAGCCGGCAGTTCGGCAGGATCAA 1916
QY 1964 GGGCGAAGTGAACATCTGCTGACGGCTGACCATGAGAACATTTGTGCGCTACTCAACCGC 2023
DB 1917 GGGCGAAGTGAACATCTGCTGACGGCTGACCATGAGAACATTTGTGCGCTACTCAACCGC 1976
QY 2024 CTGGATCGAGCGGCACAGCGCGCGGGAGCCGGGAGCCGCCGCCCGGACTCCGGGCGC 2083
DB 1977 CTGGATCGAGCGGCACAGCGCGCGGGACCGGGAGCCGCCGCCCGGACTCCGGGCGC 2036
QY 2084 CTTGGCCAAAGGATGACCGAGCTGCACGGGGGAGCCGGGCGAGCGACACAGCGGCTGGA 2143
DB 2037 CTTGGCCAAAGGATGACCGAGCTGCACGGGGGAGCCGGGCGAGCGACACAGCGGCTGGA 2096
QY 2144 CAGCGTAGAGGCGCGCGCGCCCATCCATCTCAGCAGCTCGGTGGAGTGGAGCACTTC 2203
DB 2097 CAGCGTAGAGGCGCGCGCGCCCATCCATCTCAGCAGCTCGGTGGAGTGGAGCACTTC 2156
QY 2204 GGGCGAGCGCTCGGCGAGTCCCGGCTTTCCCGCCACCGGCGCGGCTCCAGCGATGACGA 2263
DB 2157 GGGCGAGCGCTCGGCGAGTCCCGGCTTTCCCGCCACCGGCGCGGCTCCAGCGATGACGA 2216
QY 2264 GGAAGCAGAGGAGGAGCAGCGGTGGGTCTTCTCCAGTCTCTCTGCTGCTTCTCAGA 2323
DB 2217 GGAAGCAGAGGAGGAGCAGCGGTGGGTCTTCTCTCCAGTCTCTCTGCTGCTTCTCAGA 2276
QY 2324 TTCTGAAAGTGTATTTATCTTTGACAAATGAAGATGAGAAACAGTAAAGTCAAGATCAGA 2383
DB 2277 TTCTGAAAGTGTATTTATCTTTGACAAATGAAGATGAGAAACAGTAAAGTCAAGATCAGA 2336
QY 2384 TGAAGATTGCAATGAAAGAAATGGTGTCCATGAAAGTGAAGCATCAGTGCAGCTGAGGC 2443

2337	Db		TGAAGATTGCAATGAAAGAAATGGCTGCCATGAAAGTGAAGCCATCACTGACGATCGAGGC	2396
2444	Qy		TGTGCACTACTTATACATCCAGATGGAGTACTGTGAGAACGAGCAGCTTTTACGAGACACCAT	2503
2397	Db		TGTGCACTACTTATACATCCAGATGGAGTACTGTGAGAACGAGCAGCTTTTACGAGACACCAT	2456
2504	Qy		TGACCGGGAGCTGTATCGAGACACCGTCAGACTCTGGAGGCTTTTTCGAGAGATTTCTGGA	2563
2457	Db		TGACCGGGAGCTGTATCGAGACACCGTCAGACTCTGGAGGCTTTTTCGAGAGATTTCTGGA	2516
2564	Qy		TGGATTAGCTTTATATCCATGAGAAAGAAATGATTTACCCGGATTTTGAAGCCTGTCAACAT	2623
2517	Db		TGGATTAGCTTTATATCCATGAGAAAGAAATGATTTACCCGGATTTTGAAGCCTGTCAACAT	2576
2624	Qy		TTTTTTTGGATTCTGATGACCATGTGAAAATAGGTGATTTTGGTTGGCGACAGACCATCT	2683
2577	Db		TTTTTTTGGATTCTGATGACCATGTGAAAATAGGTGATTTTGGTTGGCGACAGACCATCT	2636
2684	Qy		AGCCTTTCTGCTGACAGCAAAACAGACGATCAGACAGGAGACTTGATTAAGTACAGACCC	2743
2637	Db		AGCCTTTCTGCTGACAGCAAAACAGACGATCAGACAGGAGACTTGATTAAGTACAGACCC	2696
2744	Qy		TTCAAGTCACTTAACCTGGGATGTTGGCACTGCTCTCTATGTAAAGCCAGAGTCCAAGG	2803
2697	Db		TTCAAGTCACTTAACCTGGGATGTTGGCACTGCTCTCTATGTAAAGCCAGAGTCCAAGG	2756
2804	Qy		AAGCAACAAATCTGCATACACAGAAAGTGGATCTCTTCAGCCTGGGAATTATCTCTTT	2863
2757	Db		AAGCAACAAATCTGCATACACAGAAAGTGGATCTCTTCAGCCTGGGAATTATCTCTTT	2816
2864	Qy		TGAGATCTCCTATCACCCCATGGTCAGGGCTTCAGAAAGGATCTTTGTTCTCAACCAACT	2923
2817	Db		TGAGATCTCCTATCACCCCATGGTCAGGGCTTCAGAAAGGATCTTTGTTCTCAACCAACT	2876
2924	Qy		CAGAGATCCCACTTCGCCTAAGTTTCCAGAAGACTTTTGAACGATGGAGAGCATGCAAGCA	2983
2877	Db		CAGAGATCCCACTTCGCCTAAGTTTCCAGAAGACTTTTGAACGATGGAGAGCATGCAAGCA	2936
2984	Qy		GAATCAGTCAATCTCCTGGCTGTTGAACACAGGATCCAGCAAAACGGCCACAGCCACAGA	3043
2937	Db		GAATCAGTCAATCTCCTGGCTGTTGAACACAGGATCCAGCAAAACGGCCACAGCCACAGA	2996
3044	Qy		ACTGCTCAAGAGTGAGTGTCTGCCCCACCCAGATGGAGGAGTCAGAGCTGCATGAAGT	3103
2997	Db		ACTGCTCAAGAGTGAGTGTCTGCCCCACCCAGATGGAGGAGTCAGAGCTGCATGAAGT	3056
3104	Qy		GCTGCACCAACGCTGACCAACGTTGGATGGGAAGGCCCTACCGCACCATGATGCCCCAGAT	3163
3057	Db		GCTGCACCAACGCTGACCAACGTTGGATGGGAAGGCCCTACCGCACCATGATGCCCCAGAT	3116
3164	Qy		CTTCTCGAGGGCATCTCCCTGCTGCATCGATTACCTATGACAGCGACATACTGAAGGG	3223
3117	Db		CTTCTCGAGGGCATCTCCCTGCTGCATCGATTACCTATGACAGCGACATACTGAAGGG	3176
3224	Qy		CAACTTCTCAATCCGTACAGCAAGATGACAGCAGCATGTGTGAAACCATCATCCGCAT	3283
3177	Db		CAACTTCTCAATCCGTACAGCAAGATGACAGCAGCATGTGTGAAACCATCATCCGCAT	3236
3284	Qy		CTTTTAAAGACATGGAGCTGTTTCAGTTGTGTACTTCCACTACTGCTTCCCGAAACAGACA	3343
3237	Db		CTTTTAAAGACATGGAGCTGTTTCAGTTGTGTACTTCCACTACTGCTTCCCGAAACAGACA	3296
3344	Qy		AATATATGAGCAAAAGAGTGCCTTATTCATGGACACAGCGGGATGCTGGTGATGCT	3403
3297	Db		AATATATGAGCAAAAGAGTGCCTTATTCATGGACACAGCGGGATGCTGGTGATGCT	3356
3404	Qy		TCCTTTTGACTCGGGATCCCTTTTTCAGAGATATGTGCGAAGAAATATATATTGAATTT	3463
3357	Db		TCCTTTTGACTCGGGATCCCTTTTTCAGAGATATGTGCGAAGAAATATATATTGAATTT	3416
3464	Qy		AAAAACGATCTGCAATAGAAAGTGTGTTTCAGCGCGCAAGTTAGATCGATTTTCATCCCAA	3523

Db	3417	AAAACGGTACTGCATAGAACGTTGTTTCACGCCGCCCAAGTTTAGATCGATTTTCATCCCCAA	3476
Qy	3524	AGAACTCTTGGAGTGTGCATTTTGATATTGTCACTTCTACCCACCAACAGCTTTCTGCCCCAC	3583
Db	3477	AGAACTCTTGGAGTGTGCCTTTTGATATTGTCACTTCTACCCACCAACAGCTTTCTGCCCCAC	3536
Qy	3584	TGCTGAAATATCTACACTATCTATGAAATCATCCAAAGAGTTTCAGACACTTTCAGAGAAAG	3643
Db	3537	TGCTGAAATATCTACACTATCTATGAAATCATCCAAAGAGTTTCAGACACTTTCAGAGAAAG	3596
Qy	3644	AAATTCACGTAATTTATTTGAAACCATACCAATGTTATTGAAAGCAATACTCTTACACTGTGG	3703
Db	3597	AAATTCACGTAATTTATTTGAAACCATACCAATGTTATTGAAAGCAATACTCTTACACTGTGG	3656
Qy	3704	GATCCACAGAATAAACTCAGTCAAGTCTACATTAATTTGTATGATGATGCTGTGACAGAGAA	3763
Db	3657	GATCCACAGAATAAACTCAGTCAAGTCTACATTAATTTGTATGATGCTGTGACAGAGAA	3716
Qy	3764	GCTGACGAGGAGAGAAGTGGAAAGCTAAATTTTGTATAATCTGTCTTTGCTTCTTAATAGTCT	3823
Db	3717	GCTGACGAGGAGAGAAGTGGAAAGCTAAATTTTGTATAATCTGTCTTTGCTTCTTAATAGTCT	3776
Qy	3824	GTGTGACTCTACAGTTTATTCGAAACAGAGGGAGATTTGCAAGATCTTATGCCACAAAT	3883
Db	3777	GTGTGACTCTACAGTTTATTCGAAACAGAGGGAGATTTGCAAGATCTTATGCCACAAAT	3836
Qy	3884	AAATTCATTAATAAAACAGAAAAACAGTATTGCACAGTTGGTGAAGTATGGCTTTAAAAAGA	3943
Db	3837	AAATTCATTAATAATAAAACAGAAAAACAGTATTGCACAGTTGGTGAAGTATGGCTTTAAAAAGA	3896
Qy	3944	CCTAGAGGAGGTTGTTGGACTGTTTGAAGAAACTCGGCATCAAGTTTACA-----GTCCTT	3997
Db	3897	CCTAGAGGAGGTTGTTGGACTGTTTGAAGAAACTCGGCATCAAGTTTACAGTTTGGGCTCTT	3956
Qy	3998	GATCAATTTGGGCTTGGTTTACAAAGTGCAGCAGCACAAATGGNAATCATCTTCAGATTTGT	4057
Db	3957	GATCAATTTGGGCTTGGTTTACAAAGTGCAGCAGCACAAATGGNAATCATCTTCAGATTTGT	4016
Qy	4058	GGCTTTTCATCAAAACGAAGCAAGGCGTGTAACCTGAAATCCTCGCAGCTGGAGGCAGATA	4117
Db	4017	GGCTATCATCAAAACGAAGCGCAAGGCGTGTAACCTGAAATCCTCGCAGCTGGAGGCAGATA	4076
Qy	4118	TGACCTGCTGATTTCCCAGTTTAGAGGGCCACAAGCTCTGGGGCCAGTTTCCCAGTCCCAT	4177
Db	4077	TGACCTGCTGATTTCCCAGTTTAGAGGGCCACAAGCTCTGGGGCCAGTTTCCCAGTCCCAT	4136
Qy	4178	TGGGGTCAGCATATAGCTATAGACAAGATATCTGCTGCTGTCTCCTCAACATGGAGAA-----	4232
Db	4137	TGGGGTCAGCATATAGCTATAGACAAGATATCTGCTGCTGTCTCCTCAACATGGAGAAATCTGT	4196
Qy	4233	-----TCGTGTTACAAATAGCTTTGTGACCTCTCTGGTTGTAAGTTGTTGGTCAGATGCTAT	4288
Db	4197	AAGTTCTGTTTACAAATAGGCTCTGGGACCTCTCTGGTTGTAAGTTGTTGGCCAGATGCTAT	4256
Qy	4289	GTCAGGGCCATCAACCTTAACCCAGAAACTCTGGACAGCAGGCGATCACAGCAAAATCAT	4348
Db	4257	GTCAGGGCCATAAACCTTAACCCAGAAACTCTGGACAGCAGGCGATCACAGCAAAATCAT	4316
Qy	4349	GTACGACTGTGTCA-----CAGTCCCAAGAGGAATTTACAAGAGTACTGCGACATCATGA	4402
Db	4317	GTACGACTGTGTGTCAAGTTTTCAGTCCCAAGAGGAATTTACAAGAGTACTGCGACATCATGA	4376
Qy	4403	AATCACCTATGTGGCCCTGTCTCGGATTAAGAAAGGAAGCCATGTCAAGGTTAAGTCTTTT	4462
Db	4377	AATCACCTATGTGGCCCTGTCTCGGATTAAGAAAGGAAGCCATGTCAAGGTTAAGTCTTTT	4436
Qy	4463	CGAAGAAAGGACAGACAGAGAAGCGTGTGCTGGAGACTGAACTTGTGGACCATGTACT	4522
Db	4437	CGAAGAAAGGACAGACAGAGAAGCGTGTGCTGGAGACTGAACTTGTGGACCATGTACT	4496
Qy	4523	CGAGAAACTGAGGACTAAAGTCACTGATTAAGAGGATGGCAGAGAGCTTCCGATAATCT	4582
Db	4497	CGAGAAACTGAGGACTAAAGTCACTGATTAAGAGGATTTTATAGAGAGCTTCCGATAATCT	4556

QY 4583 TGCAGTGCACAAATCTGAAGGGGTCATTTTCTAAATGCTTCAGGTTTGTGTAATCCATGG 4642
DB 4557 TGCAGTGCACAAATCTGAAGGGGTCATTTTCTAAATGCTTCAGGTTTGTGTAATCCATGG 4616
QY 4643 AGCAACAGTGGTTCATTTGAGTGTGCTAGCCCGGAGAGTGTGACGACACTAG 4702
DB 4617 AGCAACAGTGGTTCATTTGAGTGTGCTAGCCCGGAGAGTGTGACGACACTAG 4676
QY 4703 GAGGCGCTATGAAACTCAGGTACAACTCGACTTCAGACCTCCCTGCGCACTTACATCA 4762
DB 4677 GAGGCGCTATGAACTCAGGTACAACTCGACTTCAGACCTCCCTGCGCACTTACATCA 4736
QY 4763 GAAAGCAGTGAATTTGAAATTTCTGGCT---GTGGATCTACCCAAAGAAACAATATTACA 4819
DB 4737 GAAAGCAGTGAATTTGAAATTTCTGGCTGTAGTGGATCTACCCAAAGAAACAATATTACA 4796
QY 4820 GTTTTATCATAGAGTGGATGCTGATGACAGGCAATTTAAACAATGTGAAGCAGCT 4879
DB 4797 GTTTTATCATAGAGTGGATGCTGATGACAGGCAATTTAAACAATGTGAAGCAGCT 4856
QY 4880 GCTGTACGCGCTGCCAAAGCAAGATACCTCAAATTTAGTGTGATGAAATTTTAAACAT 4939
DB 4857 GCTGTACGCGCTGCCAAAGCAAGATACCTCAAATTTAGTGTGATGAAATTTTAAACAT 4916
QY 4940 CAAAGTAGAAAAAGGTGCTGTGCTATTTCTGTACAGCTATAGAGATGACTACTACAG 4999
DB 4917 CAAAGTAGAAAAAGGTGCTGTGCTATTTCTGTACAGCTATAGAGATGACTACTACAG 4976
QY 5000 AATCTTATTTTAA 5012
DB 4977 AATCTTATTTTAA 4989

RESULT 3

US-09-836-392-6
; Sequence 6, Application US/09836392
; Patent No. US20020173458A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Protein Tyrosine Kinase Receptor Polynucleotides, Polypeptides, a
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: PT020P1
; CURRENT APPLICATION NUMBER: US/09/836,392
; CURRENT FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: PCT/US00/28066
; PRIOR FILING DATE: 2000-10-11
; PRIOR APPLICATION NUMBER: 60/159,542
; PRIOR FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: 60/165,914
; PRIOR FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 60/189,027
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 2946
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-836-392-6

Query Match 53.0%; Score 2928.8; DB 9; Length 2946;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2930; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2485 GCACCTTTACGAGACACCATGACAGGACTGTATCGAGACACCGTCAGACTCTGGAGGC 2544
DB 12 GCACCTTTACGAGACACCATGACAGGACTGTATCGAGACACCGTCAGACTCTGGAGGC 71
QY 2545 TTTTTCAGAGATCTGGATGATAGCTTATATCCATGAGAAAGGAATCATTTACCGGG 2604
DB 72 TTTTTCAGAGATCTGGATGATAGCTTATATCCATGAGAAAGGAATCATTTACCGGG 131

QY 2605 ATTTGAAGCTCTCAACATTTTGGATTTCTGATGACCATGTGAAATAGGTGATTTTG 2664
DB 132 ATTTGAAGCTCTCAACATTTTGGATTTCTGATGACCATGTGAAATAGGTGATTTTG 191
QY 2665 GTTTGCGGACAGACCATCTAGCCTTTCTGCTGACAGCAAAACAAGACGATCAGACAGGAG 2724
DB 192 GTTTGCGGACAGACCATCTAGCCTTTCTGCTGACAGCAAAACAAGACGATCAGACAGGAG 251
QY 2725 ACTTGATTAAGTCAGACCTTCAGGTCACTTAATCTGGATGTTGGCACTGCTCTCTATG 2784
DB 252 ACTTGATTAAGTCAGACCTTCAGGTCACTTAATCTGGATGTTGGCACTGCTCTCTATG 311
QY 2785 TAAGCCAGAGTCCAAAGGAAGCACCAATCTGCATACAACCAAGAGTGGATCTCTTCA 2844
DB 312 TAAGCCAGAGTCCAAAGGAAGCACCAATCTGCATACAACCAAGAGTGGATCTCTTCA 371
QY 2845 GCTGGGAATTAATCTTCTTTGAGATGCTCTATCACCCCATGCTCACGGCTTCAGAAAGA 2904
DB 372 GCTGGGAATTAATCTTCTTTGAGATGCTCTATCACCCCATGCTCACGGCTTCAGAAAGA 431
QY 2905 TCTTTGTTCTCAACCAACTCAGAGATCCCACTTCGCTTAAGTTTCCAGAAGACTTTGAGC 2964
DB 432 TCTTTGTTCTCAACCAACTCAGAGATCCCACTTCGCTTAAGTTTCCAGAAGACTTTGAGC 491
QY 2965 ATGGAGAGCATGCAAGGACAGAAATCAGTCATCTCTGCTGTTGAACCAAGATCCAGAA 3024
DB 492 ATGGAGAGCATGCAAGGACAGAAATCAGTCATCTCTGCTGTTGAACCAAGATCCAGAA 551
QY 3025 AACGGCCACAGCCACAGAACTGCTCAAGAGTGAGTCTGCCCCACCCAGATGGAGG 3084
DB 552 AACGGCCACAGCCACAGAACTGCTCAAGAGTGAGTCTGCCCCACCCAGATGGAGG 611
QY 3085 AGTCAGAGCTGCATGAAGTGTGCACACAGCTGACCAAGTGGATGGGAAGGCTTACC 3144
DB 612 AGTCAGAGCTGCATGAAGTGTGCACACAGCTGACCAAGTGGATGGGAAGGCTTACC 671
QY 3145 GCACCATGATGGCCAGATCTTCTGCAGCGCATCTCCCTGCCATCCATTACACTATG 3204
DB 672 GCACCATGATGGCCAGATCTTCTGCAGCGCATCTCCCTGCCATCCATTACACTATG 731
QY 3205 ACAGGACATCTGAAGGGCAACTTCTCAATCCGTACAGCAAGATGCAGCAGCATGTGT 3264
DB 732 ACAGGACATCTGAAGGGCAACTTCTCAATCCGTACAGCAAGATGCAGCAGCATGTGT 791
QY 3265 GTGAACCATCATCGCATCTTTAAAGACATGAGCTGTTCACTGTGTACTCCACTAC 3324
DB 792 GTGAACCATCATCGCATCTTTAAAGACATGAGCTGTTCACTGTGTACTCCACTAC 851
QY 3325 TGCTTCCCCGAAACAGACAAATATATGAGCAACAAGCTGCCCTATTTCATGGACCACA 3384
DB 852 TGCTTCCCCGAAACAGACAAATATATGAGCAACAAGCTGCCCTATTTCATGGACCACA 911
QY 3385 GCGGATGCTGGTGTGCTTCTTTGACCTGCGGATCCCTTTTGAAGATATGTGGCAA 3444
DB 912 GCGGATGCTGGTGTGCTTCTTTGACCTGCGGATCCCTTTTGAAGATATGTGGCAA 971
QY 3445 GAAATATATATGAAATTTTAAACGATAGCAAGCTGCTGATTTGATTTGTCTTACCA 3504
DB 972 GAAATATATATGAAATTTTAAACGATAGCAAGCTGCTGATTTGATTTGTCTTACCA 1031
QY 3505 TAGATCGATTTTATCCCAAGAACTTCTGGAGTGTGATTTGATTTGTCTTACCTTACCA 3564
DB 1032 TAGATCGATTTTATCCCAAGAACTTCTGGAGTGTGATTTGATTTGTCTTACCTTACCA 1091
QY 3565 CCAACAGCTTCTGCGGACCTGCTGAAATTTATCTACATCTATGAAATCATCCAGAGT 3624
DB 1092 CCAACAGCTTCTGCGGACCTGCTGAAATTTATCTACATCTATGAAATCATCCAGAGT 1151
QY 3625 TTCCAGACCTTCAGAAAGAAATTTACAGTATTTTGAACCACTACCATCTTATTGAAG 3684
DB 1152 TTCCAGACCTTCAGAAAGAAATTTACAGTATTTTGAACCACTACCATCTTATTGAAG 1211
QY 3685 CAATACCTTTACACTGTGGATCCCAAGATAACTCAGTCAAGTCTACATTTCTGT 3744

Db 1212 CAATACTCTTACACTGTGGATCCAGAGATAAATCAGTCACTTACATTAATTCGT 1271
 QY 3745 ATGATGCTGTGACAGAGAGCTGACGAGAGAGAGAGTGAAGCTAAATTTTGTATCTGT 3804
 Db 1272 ATGATGCTGTGACAGAGAGCTGACGAGAGAGAGAGTGAAGCTAAATTTTGTATCTGT 1331
 QY 3805 CTTTGTCTTCTAATAGTCTGTGCTGACCTTCAAGCTTATGAACAGAGAGAGATTCG 3864
 Db 1332 CTTTGTCTTCTAATAGTCTGTGCTGACCTTCAAGCTTATGAACAGAGAGAGATTCG 1391
 QY 3865 AAGATCTTATGCCAACAATAAATTCATTAATAAACAAGAGATTTGACAGATTCG 3924
 Db 1392 AAGATCTTATGCCAACAATAAATTCATTAATAAACAAGAGATTTGACAGATTCG 1451
 QY 3925 TGAAGTATGCTTTAAAGACCTAGAGAGGTTGTTGGAGCTTTGAGAGAACTCGGCATCA 3984
 Db 1452 TGAAGTATGCTTTAAAGACCTAGAGAGGTTGTTGGAGCTTTGAGAGAACTCGGCATCA 1511
 QY 3985 AGTTACAGCTCTGATCAATTTGGGCTTGGTTTACAAAGGTGACAGAGCAATGGAATCA 4044
 Db 1512 AGTTACAGCTCTGATCAATTTGGGCTTGGTTTACAAAGGTGACAGAGCAATGGAATCA 1571
 QY 4045 TCTTCCAGTTTGTGGCTTTTCAATCAAAAGGCAAGGCTGTACCTGGAATCTCTCGAG 4104
 Db 1572 TCTTCCAGTTTGTGGCTTTTCAATCAAAAGGCAAGGCTGTACCTGGAATCTCTCGAG 1631
 QY 4105 CTGGAGCAGATATGACCTGTCTGATTTCCAGCTTTAGAGGGCCACAGCTCTGGGGCCAG 4164
 Db 1632 CTGGAGCAGATATGACCTGTCTGATTTCCAGCTTTAGAGGGCCACAGCTCTGGGGCCAG 1691
 QY 4165 TTCCCTGCTGCTTGGGCTGAGCATATAGCAAGATATCTGCTGCTGCTCTCAACA 4224
 Db 1692 TTCCCTGCTGCTTGGGCTGAGCATATAGCAAGATATCTGCTGCTGCTCTCAACA 1751
 QY 4225 TGGAGGAATCTGTACAAATAGCTTTGTGACCTCTGCTGCTGCTGCTGCTGCTGCTGCT 4284
 Db 1752 TGGAGGAATCTGTACAAATAGCTTTGTGACCTCTGCTGCTGCTGCTGCTGCTGCTGCT 1811
 QY 4285 CTATGTCAGGGCCATCACTTAACCCAGAACTCTGGACAGAGGCTATCAGAGAGAA 4344
 Db 1812 CTATGTCAGGGCCATCACTTAACCCAGAACTCTGGACAGAGGCTATCAGAGAGAA 1871
 QY 4345 TCATGTACGACTGTGTACAGTCCCAAGAGGAAATACAAAGAGTACTGCAGACATCATGAA 4404
 Db 1872 TCATGTACGACTGTGTACAGTCCCAAGAGGAAATACAAAGAGTACTGCAGACATCATGAA 1931
 QY 4405 TCACCTATGTGGCCCTTGTCTCGGATAAAGAGGAGCCATGTCAAGGTTAAGTCTTTTCG 4464
 Db 1932 TCACCTATGTGGCCCTTGTCTCGGATAAAGAGGAGCCATGTCAAGGTTAAGTCTTTTCG 1991
 QY 4465 AGAGGAAGGCGACAGAGAGGCTGTGCTGGAGCTGAACCTGTGGACCATGTACTGC 4524
 Db 1992 AGAGGAAGGCGACAGAGAGGCTGTGCTGGAGCTGAACCTGTGGACCATGTACTGC 2051
 QY 4525 AGAACTGAGGACTTAAAGTCACTGATGAAGAGGAAATGCGAGAGGCTTCGATTAATCTTG 4584
 Db 2052 AGAACTGAGGACTTAAAGTCACTGATGAAGAGGAAATGCGAGAGGCTTCGATTAATCTTG 2111
 QY 4585 CAGTGCAAAATCTGAAGGGGTCAATTTCTAATGCTTCAGGTTTGTGTAATCCATGGAG 4644
 Db 2112 CAGTGCAAAATCTGAAGGGGTCAATTTCTAATGCTTCAGGTTTGTGTAATCCATGGAG 2171
 QY 4645 CAACAGTGGTTCCCATTTGTAGTGTGCTAGCCCGGAGAGGCTGTAGCCAGCACTAGGA 4704
 Db 2172 CAACAGTGGTTCCCATTTGTAGTGTGCTAGCCCGGAGAGGCTGTAGCCAGCACTAGGA 2231
 QY 4705 GGCCTATGAAGTCAAGTACAACTCGACTTACAGCTCCCTTGCCTTGCCTTGCCTTGCCTTGCCT 4764
 Db 2232 GGCCTATGAAGTCAAGTACAACTCGACTTACAGCTCCCTTGCCTTGCCTTGCCTTGCCTTGCCT 2291
 QY 4765 AAGCAGTGAATTTGAATTTCTGCTGTGGATCTTACCAAGAGAAATATACAGTTT 4824

RESULT 4

US-09-925-301-184
 ; Sequence 184, Application US/09925301
 ; Patent No. US20020052308A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: P106
 ; CURRENT APPLICATION NUMBER: US/09/925,301
 ; PRIOR FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05882
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; NUMBER OF SEQ ID NOS: 1694
 ; SOFTWARE: Patent In Ver. 2.0
 ; SEQ ID NO 184
 ; LENGTH: 2200
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (2096)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (2140)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (2157)
 ; OTHER INFORMATION: n equals a,t,g, or c

Db 2292 AAAGCAGTGAAATTTGAAATTTCTGGCTGTGGATCTCCCAAGAGAAACAATATTACAGTTT 2351
 QY 4825 TATCATTTAGAGTGGGATGCTGATGAACAGGCATTTTAAACAACACTGTGAAGCAGCTCTGT 4884
 Db 2352 TATCATTTAGAGTGGGATGCTGATGAACAGGCATTTTAAACAACACTGTGAAGCAGCTCTGT 2411
 QY 4885 CACGCTGCGCAAGCAAGAGATACCTCAAAATTTAGTCTGTGATGAATTTTATACATCAAG 4944
 Db 2412 CACGCTGCGCAAGCAAGAGATACCTCAAAATTTAGTCTGTGATGAATTTTATACATCAAG 2471
 QY 4945 TAGAAAAAAGGTTCTGTCTATTTCTGACAGCTATAGAGATGACTACTACAGAACTCT 5004
 Db 2472 TAGAAAAAAGGTTCTGTCTATTTCTGTACAGCTATAGAGATGACTACTACAGAACTCT 2531
 QY 5005 TATTTTAAACCTTAAAGAACTGTCTTAAACCTTCAAAACAGACAGAGCTTATACCTGA 5064
 Db 2532 TATTTTAAACCTTAAAGAACTGTCTTAAACCTTCAAAACAGACAGAGCTTATACCTGA 2591
 QY 5065 ATAATGAATTTGTACATTTTCAATTAATTTAAATTTAAATTTAAATTTAAATTTAAATTT 5124
 Db 2592 ATAATGAATTTGTACATTTTCAATTAATTTAAATTTAAATTTAAATTTAAATTTAAATTT 2651
 QY 5125 CAGTGGCTCACACCTTTTAAATCCAGCACTTTTGGAAAGCCAGGAGCAAGAGCTGCTTGA 5184
 Db 2652 CAGTGGCTCACACCTTTTAAATCCAGCACTTTTGGAAAGCCAGGAGCAAGAGCTGCTTGA 2711
 QY 5185 ACCAGGAGTTTGAGACCCAGCTTGAGCAACAAAGACCCCATCTCTATAAAAACTAAA 5244
 Db 2712 ACCAGGAGTTTGAGACCCAGCTTGAGCAACAAAGACCCCATCTCTATAAAAACTAAA 2771
 QY 5245 AAAATTTAGTTGGGATGCTGGGACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 5304
 Db 2772 AAAATTTAGTTGGGATGCTGGGACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2831
 QY 5305 GATCATCTGAGCTTCAGAGGTTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 5364
 Db 2832 GATCATCTGAGCTTCAGAGGTTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2891
 QY 5365 AGTCTGGGCAACAGAGCAAGAGCTGCTTTAAAAAAGAAAAAAGAAAAA 5416
 Db 2892 AGTCTGGGCAACAGAGCAAGAGCTGCTTTAAAAAAGAAAAAAGAAAAA 2943


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; NAME/KEY: misc_feature
; LOCATION: (2181)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (2184)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-925-301-184

Query Match      38.8%; Score 2144.6; DB 10; Length 2200;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 2173; Conservative 2; Mismatches 16; Indels 3; Gaps 2;

QY 3206 CAGGACATCTGAAGGCACTTCTCATCCGTACAGCCAAAGATGACAGAGATGTGTG 3265
Db 9 CAGGACATCTGAAGGCACTTCTCATCCGTACAGCCAAAGATGACAGAGATGTGTG 68

QY 3266 TGAACCATCATCCGCATCTTTAAAGACATGAGGTGTTTCAGTTGTGTACTCCACTACT 3325
Db 69 TGAACCATCATCCGCATCTTTAAAGACATGAGGTGTTTCAGTTGTGTACTCCACTACT 128

QY 3326 GCTTCCCGAAACAGACAATATATGAGCAACAAGAGCTGCCCTATTTCATGGACCACAG 3385
Db 129 GCTTCCCGAAACAGACAATATATGAGCAACAAGAGCTGCCCTATTTCATGGACCACAG 188

QY 3386 CGGATGCTGTGTGATGCTCTCTTTTGACCTGCGGATCCCTTTTGCAGATATGTGGCAAG 3445
Db 189 CGGATGCTGTGTGATGCTCTCTTTTGACCTGCGGATCCCTTTTGCAGATATGTGGCAAG 248

QY 3446 AAATAATATATTTAAACGATATCTCATAGAACGTGTGTTTCAGGCGCGCAAGTT 3505
Db 249 AAATAATATATTTAAACGATATCTCATAGAACGTGTGTTTCAGGCGCGCAAGTT 308

QY 3506 AGATCGATTTTATCCCAAGAACTCTGGAGTGTGCAATTTGATTTGTCACTTCTACCAC 3565
Db 309 AGATCGATTTTATCCCAAGAACTCTGGAGTGTGCAATTTGATTTGTCACTTCTACCAC 368

QY 3566 CAACAGCTTTCTGCGCACTCTGAAATATCTACATCTATCTATGAATCATCCAGAGTT 3625
Db 369 CAACAGCTTTCTGCGCACTCTGAAATATCTACATCTATCTATGAATCATCCAGAGTT 428

QY 3626 TCCAGCACTTTCAGAAAGAAATACAGTATTTATTTTGAACCATACCATGTTATTGAAAGC 3685
Db 429 TCCAGCACTTTCAGAAAGAAATACAGTATTTATTTTGAACCATACCATGTTATTGAAAGC 488

QY 3686 AATCTCTTACATGTGGATCCAGAGATATAAATCAGTCAAGTCTACATTATCTGTA 3745
Db 489 AATCTCTTACATGTGGATCCAGAGATATAAATCAGTCAAGTCTACATTATCTGTA 548

QY 3746 TGATGCTGTGACAGAGAGCTGACGAGGAGAGAGTGGAGCTTAAATTTTGTAACTGTG 3805
Db 549 TGATGCTGTGACAGAGAGCTGACGAGGAGAGAGTGGAGCTTAAATTTTGTAACTGTG 608

QY 3806 TTTGTCTTCTAATAGTCTGTGCTGACTCTACAGTATTTATTTGAACAGAGGAGATTGCA 3865
Db 609 TTTGTCTTCTAATAGTCTGTGCTGACTCTACAGTATTTATTTGAACAGAGGAGATTGCA 668

QY 3866 AGATCTTATGCCAACATAAATTCATTATATAAACAAGATATTTGCAAGTTGGT 3925
Db 669 AGATCTTATGCCAACATAAATTCATTATATAAACAAGATATTTGCAAGTTGGT 728

QY 3926 GAAATATGGCTTAAAGACCTAGAGAGGTGTTTGGACCTGTTGAAGAACTCGGCATCAA 3985
Db 729 GAAATATGGCTTAAAGACCTAGAGAGGTGTTTGGACCTGTTGAAGAACTCGGCATCAA 788

QY 3986 GTTACAGGCTTGATCAAATTTGGCTTGGTTTACAGGTGACAGCAACAATGGAAATCAT 4045
Db 789 GTTACAGGCTTGATCAAATTTGGCTTGGTTTACAGGTGACAGCAACAATGGAAATCAT 848

QY 4046 CTTCCAGTTTGGCTTTTATCAAACGAGGCAAGGGCTGTACCTGAAATCCTCGAGC 4105
Db 849 CTTCCAGTTTGGCTTTTATCAAACGAGGCAAGGGCTGTACCTGAAATCCTCGAGC 908

QY 4106 TGGAGGCAGATATGACCTGCTGATTCCCCAGCTTTTAGAGGGCCCAAGCTCTGGGCCAGT 4165
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909 TGGAGGCAGATATGACCTGCTGATTCCCCAGTTTAGAGGGCCCAAGCTCTGGGCCAGT 968
4166 TCCCACTGCCATTGGGGTCAGCATAGCTATAGACAAGATATCTGCTGTCTCTCAACAT 4225
969 TCCCACTGCCATTGGGGTCAGCATAGCTATAGACAAGATATCTGCTGTCTCTCAACAT 1028
4226 GGAGGAATCTGTACAATAAGCTCTGTGACCTCTCTGTTTGAAGTGTGTCAGATGTC 4285
1029 GGAGGAATCTGTACAATAAGCTCTGTGACCTCTCTGTTTGAAGTGTGTCAGATGTC 1088
4286 TATGTCCAGGGCCATCAACCTTAACCCAGAAACTCTGGACAGCAGGCATCACAGCAGAAAT 4345
1089 TATGTCCAGGGCCATCAACCTTAACCCAGAAACTCTGGACAGCAGGCATCACAGCAGAAAT 1148
4346 CATGTACGACTGTGTGACAGTCCCAAGAGAAATTAACAAGTACTCAGACATCATGAAAT 4405
1149 CATGTACGACTGTGTGACAGTCCCAAGAGAAATTAACAAGTACTCAGACATCATGAAAT 1208
4406 CACCTATGTGGCCCTTGTCTCGATATAAGAGAGCCATGTCAAGGTTAAGTCTTTTGA 4465
1209 CACCTATGTGGCCCTTGTCTCGATATAAGAGAGCCATGTCAAGGTTAAGTCTTTTGA 1268
4466 GAAGGAAAGGCAGACAGAGAAAGCTGTCTGGAGACTGAACTTTGGAGCCATGTACTGCA 4525
1269 GAAGGAAAGGCAGACAGAGAAAGCTGTCTGGAGACTGAACTTTGGAGCCATGTACTGCA 1328
4526 GAACTGTAGGACTTAAGTCACTGATGAAGAAAGCTTCCGAGAAAGCTTCCGATTAATCTTGC 4585
1329 GAACTGTAGGACTTAAGTCACTGATGAAGAAAGCTTCCGAGAAAGCTTCCGATTAATCTTGC 1388
4586 AGTCAAAATCTGAAGGGCTCATTTCTAATGCTTCAAGTTTGTGAAATCCATGGAGC 4645
1389 AGTCAAAATCTGAAGGGCTCATTTCTAATGCTTCAAGTTTGTGAAATCCATGGAGC 1448
4646 AACAGTGTTCCTAATGAGTGTCTAGCCCGGAGAAAGCTGTCAAGCAGCACTTAGGAG 4705
1449 AACAGTGTTCCTAATGAGTGTCTAGCCCGGAGAAAGCTGTCAAGCAGCACTTAGGAG 1508
4706 GCGCTATGAAACTCAGGTACAAACTCGACTTCAAGCTTCCCTGCGCAACTTACATCAGAA 4765
1509 GCGCTATGAAACTCAGGTACAAACTCGACTTCAAGCTTCCCTGCGCAACTTACATCAGAA 1568
4766 AAGCAGTGAATTTGAAATTTCTGGCTGTGGATCTACCCAAAGAAACAATATTACAGTTT 4825
1569 AAGCAGTGAATTTGAAATTTCTGGCTGTGGATCTACCCAAAGAAACAATATTACAGTTT 1628
4826 ATCATTAGAGTGGATGCTGATGAACAGGCAATTTAAACAACCTGTGAAGCAGCTGTCTG 4885
1629 ATCATTAGAGTGGATGCTGATGAACAGGCAATTTAAACAACCTGTGAAGCAGCTGTCTG 1688
4886 ACGCTGCGCAAGCAAGATACCTCAAAATAGTCTGTGATGAATTTATTAACATCAAGT 4945
1689 ACGCTGCGCAAGCAAGATACCTCAAAATAGTCTGTGATGAATTTATTAACATCAAGT 1748
4946 AGAAAAAAGGTGTCTGTCTATTCTGTACAGCTATAGAGATGACTACTACAGAACTTT 5005
1749 AGAAAAAAGGTGTCTGTCTATTCTGTACAGCTATAGAGATGACTACTACAGAACTTT 1808
5006 ATTTTAAACCTTAAGAACTGTGTGTTAACTTCAATTCATAAACAAGAGAGCTTTATCTG 5065
1809 ATTTTAAACCTTAAGAACTGTGTGTTAACTTCAATTCATAAACAAGAGAGCTTTATCTG 1868
5066 TAATGGAATGTGTACATTCATATTAATTTAAATTTAAATTTCTAAGAGAGGCTGGTGC 5125
1869 TAATGGAATGTGTACATTCATATTAATTTAAATTTAAATTTCTAAGAGAGGCTGGTGC 1928
5126 AGTGGCTCACACCTTTAATCCAGCACTTTGGAAAGCCAAAGGAGGAGACTGCTGAA 5185
1929 AGTGGCTCACACCTTTAATCCAGCACTTTGGAAAGCCAAAGGAGGAGACTGCTGAA 1988
5186 CCAGGAGTTTGAGACGAGCTGTAGCAACAAGCAAGCCCCATCTCTATATAAATCTTAA 5245
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; APPLICANT: Jiang, Yugu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
; FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; CURRENT FILING DATE: 2002-01-30
; NUMBER OF SEQ ID NOS: 4560
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1707
; LENGTH: 251
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 244
; OTHER INFORMATION: n = A,T,C or G
US-10-060-036-1707

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Query Match	4.5%;	Score 248.4;	DB 9;	Length 251;
Best Local Similarity	99.2%;	Pred. No. 4.6e-57;		
Matches 249;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;
Qy 4724	ACAAACTCGACTTTCAGACCTCCCTTGC	CAACTTTACATCAGAAAAGCAGTGA	ATTC	CAAAAT 4783
Db				
251	ACAAACTINGACTTTCAGACCTCCCTTGC	CAACTTTACATCAGAAAAGCAGTGA	ATTC	CAAAAT 192
Qy 4784	TCCTGGCTGTGGATCTACCCAAAGAAACA	TATTTACAGTTTTTATCATTTAGATGG	GATGC	4843
Db				
191	TCCTGGCTGTGGATCTACCCAAAGAAACA	TATTTACAGTTTTTATCATTTAGATGG	GATGC	132
Qy 4844	TGATGAACAGGCATTTAAACAACAAC	CTGTGAAGCAGCTGCTCACGGCTGC	CAAAAGCAAAG	4903
Db				
131	TGATGAACAGGCATTTAAACAACAAC	CTGTGAAGCAGCTGCTCACGGCTGC	CAAAAGCAAAG	72
Qy 4904	ATACCTTCAAAATTTAGCTGTGATCGAA	ATTTTATACATCAAAAGTAGAAAAA	AAAGGTGCTGT	4963
Db				
71	ATACCTTCAAAATTTAGCTGTGATCGAA	ATTTTATACATCAAAAGTAGAAAAA	AAAGGTGCTGT	12
Qy 4964	GCTATTTCTGT	4974		
Db				
11	GCTATTTCTGT	1		

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RESULT 8
US-09-764-877-3220/c
; Sequence 3220, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3220
; LENGTH: 19616
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-3220

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	Query Match	3.6%;	Score 198.6;	DB 10;	Length 19616;
	Best Local Similarity	82.4%;	Pred. No. 3.8e-42;		
	Matches 253;	Conservative 0;	Mismatches 49;	Indels 5;	Gaps 2;
QY	5114	GAGGCTGGTGAGTGGCTCACACCTTTAATCCAGACCTTTGGGAAGCCAAAGCAGGAA	5173		
Db	18354	GAGTTGGTGAGTGGCTCACACCTGTAATCTCAGCAGTTTAGGAGACCAAGCGGGTG	18295		
QY	5174	GACTGCTTGAACACCGAGGTTTGAGACAGACCTTGAGCAACAAAGCAAGACCCCTCTCTA	5233		
Db	18294	GACCGCTTGAGCCGAGGGTTTGAGACAGACCTTGACAGCATGGCAAAACCCCATCTCTA	18235		

Qy	5234	TAAAAA	CTAAAAA	TTAGTTGGGCATGGTGGCACA	TCGCTGTAGTCCGAGCTACTCCAG	5293
Db	18234	CAAAAAA	TCAAAAA	TTAGCTGGGTGTGTGTGGCTATAGTCCGAGCTACTCAGG	18115	
Qy	5294	AGCTGAGAT	----	GGATCATCTGAGCCTCAGGAGGTTGAGGCTCGAGTGTGACT	5349	
Db	18174	AGGTTGAGGTAGGAGGATCACCTGAGCCTGGGGAGGTAGAGCTGCAGTGAGCCACGATT	18115			
Qy	5350	GGCCCACTGCACCTCCAGTCTGGGACAACAGACGCAAGACCCCTGCTTAAAAA	AAAAAAGAA	5409		
Db	18114	GCACCACTGCACCTCCAGCCTGGG-CAACAGACGCAAGACCCCTGCTCTGAAAAA	AAAAAAGA	18056		
Qy	5410	AAAAAAA	5416			
Db	18055	AAAGAAA	18049			

RESULT 9

US-09-742-312-3

; Sequence 3, Application US/09742312

; Patent No. US20020045166A1

; GENERAL INFORMATION:

; APPLICANT: CHANDRAMOULISARAN, Ishwar et al

; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS.

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEIN

; TITLE OF INVENTION: AND USES THEREOF

; FILE REFERENCE: CL000838

; CURRENT APPLICATION NUMBER: US/09/742,312

; CURRENT FILING DATE: 2000-12-22

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 147309

; TYPE: DNA

; ORGANISM: Human

; FEATURE:

; NAME/KEY: misc.feature

; LOCATION: (1)...(147309)

; OTHER INFORMATION: n = A,T,C or G

; US-09-742-312-3

Query Match	3.5%;	Score 191;	DB 10;	Length 147309;
Best Local Similarity	66.8%;	Pred. No. 1.9e-39;		
Matches 272;	Conservative 0;	Mismatches 135;	Indels 0;	Gaps 0;
QY	5076	TTGTACATTCATCATAAATTTTAAATTTAAATCTTAAGAAGAGCGCTGGGTGCAGTGCCTCAC	5135	
Db	57224	TTGTAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAATGCTTGGCTGGGTGCAGTGGCTCAA	57283	
QY	5136	ACGTTTAAATCCAGCACCTTTGGGAAGCCAGGCAGGAAGACTGCTTTGAAACCCAGGAGTTT	5195	
Db	57284	GCCTATAATCCCAGCACCTTTGGGAGGCCAAGGCAGGTGGATCATCTGACGTCAGGAGTTT	57343	
QY	5196	GAGACAGCGCTCAGCAACAACAGACGCCCATCTCTATAAAACTAAAAAATTAGTTG	5255	
Db	57344	GAGAGCAGCGCTGACTAAACATGATGAAGAACCCCATCTCTACTAAAAATATAAAAAATTAGCTG	57403	
QY	5256	GGCATGGTGCCACATCGCTGTAGTCCCGACTACTCCAGAGGCTGAGATGGATCATCTCAG	5315	
Db	57404	GGCATGGTGGTGTGTGGCTGTAGTCCCGACTACTCGGGAGGCTGAGGCAGAAATTCCTTGA	57463	
QY	5316	CCTCAGGAGGTTGAGCGTGCAGTGAAGTGTGACTGCGGCACATGCACCTCAGTCTGGGACA	5375	
Db	57464	ACCCAAGAGGCGAGAGGTTGCGATGAGCTGAGACCATACCACTGCACCTCAGCCCTGGGCAA	57523	
QY	5376	ACAGAGCAAGACCCCTGTCTTAAAAAATAAGAAAAAATTTTTTTTCTTAAGAAAGCTG	5435	
Db	57524	CAAGAGTGAACATCCATCTCAGAAAAAATAAATAATGCTTGGACCATCCACAGAAATTTG	57583	
QY	5436	TCCTCAAAAGTTGAGCTTTGGTTAGTTTTTCATGTGTAATATATATA	5482	
Db	57584	TAATCCAATCTTTTTGGGTGGGAGCACAGCAATTTGGCTTTTTTAAA	57630	

RESULT 10

US-09-892-877-93
; Sequence 93, Application US/09892877
; Publication No. US20030077809A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et. al.
; TITLE OF INVENTION: 97 Human secreted proteins
; FILE REFERENCE: P2028P1
; CURRENT APPLICATION NUMBER: US/09/892,877
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/437,658
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-10
; NUMBER OF SEQ ID NOS: 461
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 93
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-892-877-93

Query Match 3.4%; Score 189.2; DB 9; Length 1212;
Best Local Similarity 76.7%; Pred. No. 1.8e-40;
Matches 247; Conservative 7; Mismatches 65; Indels 3; Gaps 2;

Qy	5095	TAAATTAATTTCTAAGAGAGGCTGGTGCAGTGGCTCACACCTTTAATCCAGCACTT	5154
Db	892	TACATATGAATAATAGTACAGCCAGGTGTAGTGGCTCACACCTGTAAATCCAGCACTT	951
Qy	5155	TGGGAAGCCCAAGCAGGAGACTGCTTGAACCCAGGAGTTTGAGACCAGCTTGAGCAACA	5214
Db	952	GGGGAAGCCGARGTGGTGATGCTTGAGCCAGGAGTTTGAGACCAGCTTGAGCAACA	1011
Qy	5215	AAGCAAGACCCCATCTCTATAAACTATAAAATTTAGTTGGCATGGTGACATGCCCT	5274
Db	1012	TGGTGAACCCCATCTCTACAAAAATMCAAAAAATTTAGCCGGCATGGTGGCACAACA	1071
Qy	5275	GTAGTCCAGCTACTCCAGAGGCTGAGATGG--ATCATCTGAGCTCAGGAGTTTGAGGC	5332
Db	1072	GTAGTCTCAGCTACTCAGAGCTGAGGTGGGAGAYCATTTAGCCAGGAGGCARAGT	1131
Qy	5333	TGCAGTGAGCTGTGACTGGCCACTGCATCTCCAGTCTGGGACAACAGACCAAGCCCTGT	5392
Db	1132	TGCAGTGAGCTGTGATCCTGCCACTGSACTCCAGCCTGGG--TGACAGGCAAGACCCCTGT	1190
Qy	5393	CTTAAAAAAGAAAAA 5414	
Db	1191	YTWAAAAAAGAAAAA 1212	

RESULT 11

US-09-948-783-92
; Sequence 92, Application US/09948783
; Publication No. US20030100051A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et. al.
; TITLE OF INVENTION: 97 Human secreted proteins
; FILE REFERENCE: P2028P2
; CURRENT APPLICATION NUMBER: US/09/948,783
; CURRENT FILING DATE: 2001-09-10
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/231,846
; PRIOR FILING DATE: 2000-09-11
; PRIOR APPLICATION NUMBER: 09/892,877
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: 09/437,658
; PRIOR FILING DATE: 1999-11-10
; PRIOR APPLICATION NUMBER: PCT/US99/09847
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 60/085,093
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,094
; PRIOR FILING DATE: 1998-05-12

; PRIOR APPLICATION NUMBER: 60/085,105
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,180
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085,927
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,906
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,924
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,922
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,921
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,923
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,925
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,928
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,920
; PRIOR FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 465
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 92
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-948-783-92

Query Match 3.4%; Score 189.2; DB 9; Length 1212;
Best Local Similarity 76.7%; Pred. No. 1.8e-40;
Matches 247; Conservative 7; Mismatches 65; Indels 3; Gaps 2;

Qy	5095	TAAATTAATTTCTAAGAGAGGCTGGTGCAGTGGCTCACACCTTTAATCCAGCACTT	5154
Db	892	TACATATGAATAATAGTACAGCCAGGTGTAGTGGCTCACACCTGTAAATCCAGCACTT	951
Qy	5155	TGGGAAGCCCAAGCAGGAGACTGCTTGAACCCAGGAGTTTGAGACCAGCTTGAGCAACA	5214
Db	952	GGGGAAGCCGARGTGGTGATGCTTGAGCCAGGAGTTTGAGACCAGCTTGAGCAACA	1011
Qy	5215	AAGCAAGACCCCATCTCTATAAACTATAAAATTTAGTTGGCATGGTGACATGCCCT	5274
Db	1012	TGGTGAACCCCATCTCTACAAAAATMCAAAAAATTTAGCCGGCATGGTGGCACAACA	1071
Qy	5275	GTAGTCCAGCTACTCCAGAGGCTGAGATGG--ATCATCTGAGCTCAGGAGTTTGAGGC	5332
Db	1072	GTAGTCTCAGCTACTCAGAGCTGAGGTGGGAGAYCATTTAGCCAGGAGGCARAGT	1131
Qy	5333	TGCAGTGAGCTGTGACTGGCCACTGCATCTCCAGTCTGGGACAACAGACCAAGCCCTGT	5392
Db	1132	TGCAGTGAGCTGTGATCCTGCCACTGSACTCCAGCCTGGG--TGACAGGCAAGACCCCTGT	1190
Qy	5393	CTTAAAAAAGAAAAA 5414	
Db	1191	YTWAAAAAAGAAAAA 1212	

RESULT 12

US-09-731-231A-3/c
; Sequence 3, Application US/09731231A
; Patent No. US20020082189A1
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001007
; CURRENT APPLICATION NUMBER: US/09/731,231A
; CURRENT FILING DATE: 2000-12-07
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0

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; SEQ ID NO 3
; LENGTH: 326014
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(326014)
; OTHER INFORMATION: n = A,T,C or G
US-09-731-231A-3

Query Match          3.4%; Score 188.2; DB 10; Length 326014;
Best Local Similarity 77.8%; Pred. No. 28-38;
Matches 253; Conservative 0; Mismatches 68; Indels 4; Gaps 2;

QY 5101 TAAATTTCTAAGAGAGGCTGGTGCAGTGGCTGCACACCTTTTAAATCCAGCACTTTGGGAA 5160
Db      |||||
QY 36647 TAAAGCTCCATTCAGGCTAGATGAGTGGCTCACAACGTATCTAGCACTTTGTGAG 36588
Db      |||||
QY 5161 GCCAGGCGAGGAGACTGCTTGAACACGAGGTTTGAACACGCTGAGCAACAAAGCAA 5220
Db      |||||
QY 36587 GCCAGGCGAGGAGATTTGCTTAAGTCCAGGAGCTTCAGACCAAGCTGGGCAACATAGTGA 36528
Db      |||||
QY 5221 GACCCATCTCTATAAACTAAATAAATTAAGTTGGGATGTCGACATGCCTGTAGTC 5280
Db      |||||
QY 36527 GACCCCTCTCTATAAAAGTAAATAATTAAGTGGGCTGGTGGCACTGTGCTGTAGTC 36468
Db      |||||
QY 5281 CCAGCTACTCCAGAGGCTGAGATGATCATCTG---AGCCTCAGGAGTTGAGGCTGCAG 5337
Db      |||||
QY 36467 CCAGCTACTTGGAGGCTGAGCAGGAGACTGCCTAACCTTAGAGTTTGAGGCTGCAG 36408
Db      |||||
QY 5338 TGAGCTGTGACTGGCCACTGCACTCCAGTCCAGTCTGGGACACAGAGCAAGCCCTGCTTAA 5397
Db      |||||
QY 36407 TGAGCAGTGTATGTGCACTGCACTAGCTAGCTGGG-CATCAGCGCAAAAGTCTGTCTCT 36349
Db      |||||
QY 5398 AAAAAAAGAAAAAATTTTTT 5422
Db      |||||
QY 36348 AAAAAAAGAAAAAATTTTTT 36324
Db      |||||

RESULT 13
US-09-842-364-1/c
; Sequence 1, Application US/09842364
; Publication No. US20030032783A1
; GENERAL INFORMATION:
; APPLICANT: Yen-Potin, Frances
; APPLICANT: Denison, Blake
; APPLICANT: Bour, Barbara
; APPLICANT: Bihain, Bernard
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: APOLIPOPROTEIN A-IV-RELATED PROTEIN: POLYPEPTIDE, POLYNUCLEOTIDE
; TITLE OF INVENTION: SEQUENCES AND BIALLELIC MARKERS THEREOF.
; FILE REFERENCE: GENSET 50CP2C
; CURRENT APPLICATION NUMBER: US/09/842,364
; CURRENT FILING DATE: 2001-04-25
; PRIOR APPLICATION NUMBER: US 09/599,362
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB99/02058
; PRIOR FILING DATE: 1998-12-20
; PRIOR APPLICATION NUMBER: US 09/469/099
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: US 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: US 60/141,032
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 81001
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 10946..12946
; OTHER INFORMATION: 5' regulatory region
; NAME/KEY: exon
; LOCATION: 12947..12958
; OTHER INFORMATION: exon 1
; NAME/KEY: exon
; LOCATION: 13470..13526
; OTHER INFORMATION: exon 2
; NAME/KEY: exon
; LOCATION: 13641..13752
; OTHER INFORMATION: exon 3
; NAME/KEY: exon
; LOCATION: 14271..15968
; OTHER INFORMATION: exon 4
; NAME/KEY: misc feature
; LOCATION: 15969..17969
; OTHER INFORMATION: 3' regulatory region
; NAME/KEY: allele
; LOCATION: 1239
; OTHER INFORMATION: 20-828-311 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 12347
; OTHER INFORMATION: 17-42-319 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 15241
; OTHER INFORMATION: 17-41-250 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 42218
; OTHER INFORMATION: 20-841-149 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 45442
; OTHER INFORMATION: 20-842-115 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 77058
; OTHER INFORMATION: 20-853-415 : polymorphic base C or T
; NAME/KEY: primer_bind
; LOCATION: 929..949
; OTHER INFORMATION: 20-828.pu
; NAME/KEY: primer_bind
; LOCATION: 1357..1377
; OTHER INFORMATION: 20-828.rp complement
; NAME/KEY: primer_bind
; LOCATION: 12029..12050
; OTHER INFORMATION: 17-42.pu
; NAME/KEY: primer_bind
; LOCATION: 12581..12603
; OTHER INFORMATION: 17-42.rp complement
; NAME/KEY: primer_bind
; LOCATION: 14992..15012
; OTHER INFORMATION: 17-41.pu
; NAME/KEY: primer_bind
; LOCATION: 15460..15482
; OTHER INFORMATION: 17-41.rp complement
; NAME/KEY: primer_bind
; LOCATION: 42070..42090
; OTHER INFORMATION: 20-841.pu
; NAME/KEY: primer_bind
; LOCATION: 42572..42591
; OTHER INFORMATION: 20-841.rp complement
; NAME/KEY: primer_bind
; LOCATION: 45328..45347
; OTHER INFORMATION: 20-842.pu
; NAME/KEY: primer_bind
; LOCATION: 45863..45883
; OTHER INFORMATION: 20-842.rp complement
; NAME/KEY: primer_bind
; LOCATION: 76644..76664
; OTHER INFORMATION: 20-853.pu
; NAME/KEY: primer_bind
; LOCATION: 77166..77185
; OTHER INFORMATION: 20-853.rp complement
; NAME/KEY: primer_bind
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; NAME/KEY: allele
; LOCATION: 77058
; OTHER INFORMATION: 20-853-415 : polymorphic base C or T
; NAME/KEY: primer_bind
; LOCATION: 929..949
; OTHER INFORMATION: 20-828.pu
; NAME/KEY: primer_bind
; LOCATION: 1357..1377
; OTHER INFORMATION: 20-828.rp complement
; NAME/KEY: primer_bind
; LOCATION: 12029..12050
; OTHER INFORMATION: 17-42.pu
; NAME/KEY: primer_bind
; LOCATION: 12581..12603
; OTHER INFORMATION: 17-42.rp complement
; NAME/KEY: primer_bind
; LOCATION: 14992..15012
; OTHER INFORMATION: 17-41.pu
; NAME/KEY: primer_bind
; LOCATION: 15460..15482
; OTHER INFORMATION: 17-41.rp complement
; NAME/KEY: primer_bind
; LOCATION: 42070..42090
; OTHER INFORMATION: 20-841.pu
; NAME/KEY: primer_bind
; LOCATION: 42572..42591
; OTHER INFORMATION: 20-841.rp complement
; NAME/KEY: primer_bind
; LOCATION: 45328..45347
; OTHER INFORMATION: 20-842.pu
; NAME/KEY: primer_bind
; LOCATION: 45863..45883
; OTHER INFORMATION: 20-842.rp complement
; NAME/KEY: primer_bind
; LOCATION: 76644..76664
; OTHER INFORMATION: 20-853.pu
; NAME/KEY: primer_bind
; LOCATION: 77166..77185
; OTHER INFORMATION: 20-853.rp complement
; NAME/KEY: primer_bind
; LOCATION: 1220..1238
; OTHER INFORMATION: 20-828-311.mis
; NAME/KEY: primer_bind
; LOCATION: 1240..1258
; OTHER INFORMATION: 20-828-311.mis complement
; NAME/KEY: primer_bind
; LOCATION: 12328..12346
; OTHER INFORMATION: 17-42-319.mis
; NAME/KEY: primer_bind
; LOCATION: 12348..12366
; OTHER INFORMATION: 17-42-319.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15242..15260
; OTHER INFORMATION: 17-41-250.mis complement
; NAME/KEY: primer_bind
; LOCATION: 42199..42217
; OTHER INFORMATION: 20-841-149.mis
; NAME/KEY: primer_bind
; LOCATION: 42219..42237
; OTHER INFORMATION: 20-841-149.mis complement
; NAME/KEY: primer_bind
; LOCATION: 45423..45441
; OTHER INFORMATION: 20-842-115.mis
; NAME/KEY: primer_bind
; LOCATION: 45443..45461
; OTHER INFORMATION: 20-842-115.mis complement
; NAME/KEY: primer_bind
; LOCATION: 77039..77057
; OTHER INFORMATION: 20-853-415.mis
; NAME/KEY: primer_bind

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; LOCATION: 77059..77077
; OTHER INFORMATION: 20-853-415.mis complement
; NAME/KEY: misc_binding
; LOCATION: 1227..1251
; OTHER INFORMATION: 20-828-311.probe
; NAME/KEY: misc_binding
; LOCATION: 12335..12359
; OTHER INFORMATION: 17-42-319.probe
; NAME/KEY: misc_binding
; LOCATION: 15229..15253
; OTHER INFORMATION: 17-41-250.probe
; NAME/KEY: misc_binding
; LOCATION: 42206..42230
; OTHER INFORMATION: 20-841-149.probe
; NAME/KEY: misc_binding
; LOCATION: 45430..45454
; OTHER INFORMATION: 20-842-115.probe
; NAME/KEY: misc_binding
; LOCATION: 77046..77070
; OTHER INFORMATION: 20-853-415.probe
; US-09-751-877-1

Query Match      3.4%; Score 187.6; DB 10; Length 81001;
Best Local Similarity 71.1%; Pred. No. 1e-36;
Matches 263; Conservative 104; Indels 3; Gaps 1;

QY 5084 TCATCATATATTTAAATTTAAATTTCTTAAGAAGAGGCTGGTGCAGTGGCTTCACACCTTTAA 5143
Db 65068 TTACCTCTGATTTTACAAATAAGGAAATTTGTGGCCAGGTGCAGTGGCTTCACGCTGTAA 65009

QY 5144 TCCAGCACTTTGGGAAGCCAGGAGGAGTCTCTTGAACACAGGAGTTTGACACCAG 5203
Db 65008 TCCAGCACTTTGGGAGGCCAAGGTGGTGGATCACTTGAGTCAAGGATTCGAGACCAG 64949

QY 5204 CTGAGCAACAAAGCAAGCAACCCCATCTCTATAAAAAATTAATAAAATTTAGTTGGCATGGT 5263
Db 64948 CTGGCCACATGGTGAACCCCGTCTCTATTAAAAATACAAAAATTAGCCGGCATGGT 64889

QY 5264 GGCACATGCTGTAGTCCAGCTACTCCAGGAGGCTGAG--ATGGATCATCTGAGCCTCA 5320
Db 64888 GGCAGGAGCCTGTAATCCAGCTACTCAGGAGGCTGAGGAGGAGAAATCACTTTGAACCCG 64829

QY 5321 GGAGTTGAGGCTGCAGTGAGCTGTGACTGGGCCACTGCACCTCCAGTCTGGGACAAACA 5380
Db 64828 GGAGGCGGAGGTTGCAGTGAGCTGAGATTGGCCACTGCATCCAGCCTGAGGGACAAGA 64769

QY 5381 GCAGACCCCTGCTTTAAAAAAGAAAAAAGAAAAAATTTTTTTCTAAGAAAGCTGTCTTA 5440
Db 64768 GCGAGACTCTGTATCAAAAAAAGAAAAAAGAAAAAATTAATAAGGAAACTGTGGCTCAG 64709

QY 5441 CAAAGTTGAG 5450
Db 64708 AGAAGTTAAG 64699

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RESULT 15
US-09-764-872-812/c
; Sequence 812, Application US/09764872
; Publication No. US20030050231A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA125
; CURRENT APPLICATION NUMBER: US/09/764,872
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 957
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 812
; LENGTH: 31718
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-872-812

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Thu Jun 12 14:34:03 2003

Query Match 3.4%; Score 187.4; DB 9; Length 31718;
Best Local Similarity 75.4%; Pred. No. 5.9e-39;
Matches 260; Conservative 0; Mismatches 81; Indels 4; Gaps 2;

Qy	5097	AAATTAAATTTCTAAGNAGAGGCTGGTGCAGTGGCTCACACCTTTAATCCAGCAGCTTTG	5156
Db	3273	AAAAGAAACGCTCTCTCGAAGCCGGTGGTGGCTCACCTGTAAATCCAGCAGCTTTG	3214
Qy	5157	GGAAAGCAAAGGAGGAGGAGTCTTTGAAACCAAGGAGTTTGAGACCAGCTGAGCAACAAA	5216
Db	3213	GGAGGCCGAGGAGGAGGATCACCTGAGGTCAGGAGTTGGAGACCAGCTGGCCGACATG	3154
Qy	5217	GCAAGACCCCATCTCTATATAAACTATAAAATTAAGTTGGGCATGTTGGCAGATGCCCTGT	5276
Db	3153	GCAGAACCCCATCTCTACTATAAAATACAGAAATTAAGTTAGGATGTTGGCAGATGCCCTGT	3094
Qy	5277	AGTCCCAGCTACTCCAGAGGCTGAG--ATGGATCATCTGAGCCTCAGGAGGTTGAGGCT	5333
Db	3093	AGCCGAGCTACTTGGGAGGCTGAGGCATAGAAATCGTTGAACCCAGGAGGAGGCT	3034
Qy	5334	GCAGTGAGCTGTGACTGCGCCACTGCATCTCCAGTCTGGGACAAACAGAGCAAGCCCTGTC	5393
Db	3033	GCAGTGAGCTGAGACTGTGCCACTGCATCTCCAGCCTGGG-CAACAGAAAGAGACTCTGTC	2975
Qy	5394	TTAAAAAAGAAAGAAAGAAATTTTTTTCTAAGAGCTGTC	5438
Db	2974	TCAAAAAAAGAAAGAAAGCAATGCTCTCTTATTCAAGGTTACC	2930

Search completed: June 12, 2003, 04:54:41
Job time : 710 secs